

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/011634

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01D5/20 G01D5/248 G01D3/036

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01D H03K G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/098686 A1 (MEDNIKOV FELIX ET AL) 29 May 2003 (2003-05-29) paragraph '0049! - paragraph '0054!; figure 3	1,2,4
A	DE 102 43 631 A1 (MICRO-EPSILON MESSTECHNIK GMBH & CO KG) 24 April 2003 (2003-04-24) paragraph '0001! - paragraph '0009!; figure 1	1,3-5
A	FR 2 468 884 A (BOSCH GMBH ROBERT) 8 May 1981 (1981-05-08) page 1, line 1 - line 11; figure 1	1
A	US 6 541 961 B1 (MAX ERLAND) 1 April 2003 (2003-04-01) abstract; figure 1	1

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

18 May 2005

Date of mailing of the international search report

27/05/2005

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/011634

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2003098686	A1	29-05-2003	DE 10141764 A1	27-06-2002
			WO 0233227 A1	25-04-2002
			JP 2004511709 T	15-04-2004
			EP 1288449 A1	05-03-2003
DE 10243631	A1	24-04-2003	WO 03027613 A1	03-04-2003
			EP 1427996 A1	16-06-2004
			JP 2005504286 T	10-02-2005
			US 2004201376 A1	14-10-2004
FR 2468884	A	08-05-1981	DE 2944463 A1	14-05-1981
			FR 2468884 A1	08-05-1981
			GB 2062254 A, B	20-05-1981
			JP 56074613 A	20-06-1981
US 6541961	B1	01-04-2003	SE 520176 C2	03-06-2003
			BR 0010876 A	19-02-2002
			EP 1196742 A1	17-04-2002
			WO 0071977 A1	30-11-2000
			SE 9901876 A	01-02-2001